



# Cat<sup>®</sup> 330D2 L

## Hydraulic Excavator

### 2017

*The Cat<sup>®</sup> 330D2 L offers top productivity, durability, and versatility, no matter what your application. It is built to handle a wide range of jobs – from quarry and industrial material handling to construction, and more.*

#### Performance

- Powerful Cat C7.1 ACERT™ electronic controlled engine with reduced fuel consumption.
- Improves fuel efficiency by managing pump and isochronous engine speed control.
- Electrical Fuel Priming Pump (EPP) speeds up starts and fuel system maintenance and protects fuel pump from risk of air cavitation.
- The variable-speed fan reduces noise and saves energy.

#### Ease of Operation

- Cabs are equipped with easy-to-operate controls.
- Multiple seat and joystick adjustment options enhance comfort.
- Optimized low-effort joystick controls reduce operator fatigue.
- The LCD monitor is easy to navigate and programmable in 42 languages.

#### Durability

- The strong, durable carbody is designed to work in the toughest operating conditions.
- Electrical wires are colored, numbered, and protected with thick braiding for ease of identification and long life.
- The modified X-frame structure provides long life and durability.
- Greased track link between pins and bushings increases undercarriage life and reduces noise.
- The long undercarriage (L) maximizes stability and lift capacity.

#### Technology

- Integrated Cat technology solutions increase production and minimize operating costs.
- Product Link™ reports key information from the machine to any location.

#### Safety

- The hydraulic activation lever safely locks out all hydraulic functions.
- Anti-skid plating and countersunk bolts reduce slipping in severe conditions during routine checks.
- A full-length firewall separates the pump compartment from the engine.
- The ground-level switch shuts down the engine in an emergency.
- A rearview camera greatly enhances visibility behind the machine, helping the operator work more safely and productively.



# Cat® 330D2 L Hydraulic Excavator

Engine		
Engine Model	Cat C7.1 ACERT™	
Gross Power – ISO 14396	159 kW	213 hp
Net Power – SAE J1349/ISO 9249	157 kW	211 hp
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Displacement	7.01 L	428 in <sup>3</sup>

- The Cat C7.1 ACERT engine meets exhaust emissions equivalent to U.S. EPA Tier 2, EU Stage II emission standards.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- The field-proven C7.1 ACERT engine can work efficiently at altitudes up to 5000 m (16,405 ft).

Engine RPM	
Operation	1,700 rpm
Travel	1,800 rpm

Weights		
330D2 L Non-ROPS		
Minimum Operating Weight*	28 980 kg	63,890 lb
Maximum Operating Weight**	30 310 kg	66,810 lb
*Based on: Long Undercarriage with 600 mm (24 in) TG Track + HD Reach Boom + R2.65 m (8'8") HD Stick with Rebar + 1.54 m <sup>3</sup> (2.01 yd <sup>3</sup> ) Bucket		
**Based on: Long Undercarriage with 800 mm (32 in) TG LC Track + Mass Boom + M2.5 m (8'2") Mass Stick + 2.12 m <sup>3</sup> (2.77 yd <sup>3</sup> ) Bucket		

Swing		
Swing Speed	9.6 rpm	
Swing Torque	82.2 kN·m	60,628 lbf·ft

Working Ranges						
Stick Type	HD Reach Boom – 6.15 m (20'2")				Mass Boom – 5.55 m (18'3")	
	3.2 m (10'6") HD		2.65 m (8'8") HD		2.5 m (8'2")	
Bucket Tip Radius	1690 mm (5'7")		1690 mm (5'7")		1780 mm (5'10")	
Maximum Digging Depth	7290 mm	23'11"	6740 mm	22'1"	6140 mm	20'2"
Maximum Reach at Ground Level	10 720 mm	35'2"	10 240 mm	33'7"	9470 mm	31'1"
Maximum Cutting Height	10 040 mm	32'11"	9930 mm	32'7"	9140 mm	30'0"
Maximum Loading Height	6900 mm	22'8"	6760 mm	22'2"	5960 mm	19'7"
Minimum Loading Height	2250 mm	7'5"	2800 mm	9'2"	2430 mm	8'0"
Maximum Depth Cut for 2440 mm (8'1") Level Bottom	7130 mm	23'5"	6560 mm	21'6"	5950 mm	19'6"
Maximum Digging (Vertical Wall)	6160 mm	20'3"	5840 mm	19'2"	4290 mm	14'1"

Drive		
Maximum Travel Speed	5.3 km/h	3.4 mph
Maximum Drawbar Pull	248 kN	55,753 lbf

Service Refill Capacities		
Fuel Tank Capacity	520 L	137.4 gal
Cooling System	31 L	8.2 gal
Engine Oil	22 L	5.8 gal
Swing Drive	10 L	2.6 gal
Final Drive (each)	6 L	1.6 gal
Hydraulic System Oil Capacity (including tank)	310 L	81.9 gal
Hydraulic Tank Oil	257 L	67.9 gal

Hydraulic System		
Main System – Maximum Flow at Travel H/L (1,800 rpm)	254 × 2 (508 total) L/min	67.1 × 2 (134.2 total) gal/min
Main System – Maximum Flow at Travel L/L (1,750 rpm)	247 × 2 (494 total) L/min	65.2 × 2 (130.4 total) gal/min
Main System – Maximum Flow (each) at Operation (1,700 rpm)	240 × 2 (480 total) L/min	63.4 × 2 (126.8 total) gal/min
Swing System – Maximum Flow	240 L/min	63.4 gal/min
Maximum Pressure – Equipment	35 MPa	5,076 psi
Maximum Pressure – Travel	35 MPa	5,076 psi
Maximum Pressure – Swing	27.5 MPa	3,983 psi
Pilot System – Maximum Flow	23.1 L/min	6.1 gal/min
Pilot System – Maximum Pressure	3920 kPa	569 psi

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